

CLAIMS:

1. Display panel (1) formed on a substrate (5) and comprising a plurality of display pixels (3) with at least one light emissive layer (9) and at least one electrode layer (10) deposited on or over said light emissive layer (9), wherein said display panel (1) further comprises electrically conductive structures (7) shunting said electrode layer (10).
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2. Display panel (1) according to claim 1, wherein said display pixels (3) are separated by barrier structures forming said electrically conductive structures (7) and said electrode layer (10) contacts said barrier structures for shunting said electrode layer (10).
- 10 3. Display panel (1) according to claim 2, wherein said barrier structures (7) of adjacent display pixels (3) are in electrical contact.
4. Display panel (1) according to claim 2, wherein at least one insulation layer (11) separates said light emissive layer (9) from said barrier structures (7).
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5. Display panel (1) according to claim 2, wherein said barrier structures (7) comprise side walls being covered by a hydrophobic insulation layer (11), such as an amorphous silicon layer or a photoresist layer as an insulating spacer layer (11).
- 20 6. Display panel (1) according to claim 2, wherein said barrier structures (7) comprise side walls (12) having a substantially inclined orientation with respect to said substrate (5), said side walls (12) being covered by an anodized insulating spacer layer (11).
7. Display panel (1) according to claim 2, wherein said display panel (1) further 25 comprises structures (8) to locally separate said electrode layer (10).
8. Display panel (1) according to claim 2, wherein said barrier structures (7) are available at or near at least one edge of the display panel (1).

9. Display panel (1) according to claim 2, wherein said barrier structures (7) are at least partially covered by at least one light absorbing electrically conductive layer (18).

10. Display panel (1) according to claim 9, wherein said light absorbing electrically conductive layer (18) comprises an oxide material or an oxide-metal material combination.

11. Display panel (1) according to claim 2, wherein said barrier structures (7) are fully reflective or covered with a reflective layer (19) and said display panel (1) further comprises a polarization layer (20).

12. Method for manufacturing a display panel (1) on a substrate (5) comprising the steps of:

- defining a plurality of display pixel areas (A) by deposition of electrically conductive barrier structures (7) on or over said substrate (5);
15 - filling said separated display pixel areas (A) bounded by said barrier structures (7) with at least one substance to form a light emissive layer (9);
- depositing an electrode layer (10) on or over said light emissive layer (9) and in contact with said barrier structures (7).

20 13. Method for manufacturing a display panel (1) according to claim 12, further including the step of forming an insulating spacer layer (11) between said polymer substance (9) and said barrier structure (7).

25 14. Method for manufacturing a display panel (1) according to claim 12, further including the steps of:

- providing a mask layer (13) on or over said barrier structures (7);
- underetching said mask layer (13) to form substantially inclined side walls (12) for said barrier structures (7);
30 - depositing an oxide insulating spacer layer (11) by executing an anodization treatment using a counter electrode (17) and connecting said electrically conductive barrier structures (7) as a second electrode in an anodization bath.

15. Method for manufacturing a display panel (1) according to claim 14, wherein said anodization bath contains water (15) for oxidizing said side walls (12).